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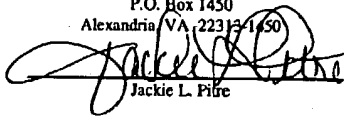
**PATENT 5659-03600/TH1961**  
**AMENDMENT UNDER 37 C.F.R. §1.116**  
**EXPEDITED PROCEDURE**  
**EXAMINING GROUP 1764**

AF/ 1764  
IFW

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 09/841,296  
Confirmation No.: 3881  
Filing Date: April 24, 2001  
Inventors: Wellington et al.  
Title: **IN SITU THERMAL  
PROCESSING OF A  
HYDROCARBON  
CONTAINING FORMATION  
TO PRODUCE A MIXTURE  
CONTAINING OLEFINS,  
OXYGENATED  
HYDROCARBONS, AND/OR  
AROMATIC  
HYDROCARBONS**

§ Examiner: W. D. Griffin  
§ Art Unit: 1764  
§ Atty. Dkt. No.: 5659-03600/EBM

<p align="center"><b>CERTIFICATE OF MAILING</b> UNDER 37 C.F.R. §1.8</p> <p>DATE OF DEPOSIT: <u>7/16/04</u></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on the date indicated above and is addressed to:</p> <p align="center">Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p> <p align="center"> Jackie L. Pire</p>
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**AMENDMENT; RESPONSE TO OFFICE ACTION MAILED MAY 26, 2004**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please amend the above-identified application as follows:

Amendments to the Claims begin on page 2 of this paper.

Amendments to the Drawings begin on page 7 of this paper.

Remarks begin on page 8 of this paper.

An Appendix including amended drawing figures is attached following page 11 of this paper.

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WG